



### REDUCED PRESSURE BACKFLOW ASSEMBLY (RPBA)

NOT TO SCALE

#### NOTES:

- REDUCED PRESSURE BACKFLOW ASSEMBLIES ARE REQUIRED FOR CONNECTIONS WITH "SEVERE AND HIGH HEALTH CROSS-CONNECTION HAZARDS" AS LISTED IN TABLE 13 OF WASHINGTON ADMINISTRATIVE CODE (WAC) 246-290-490, OR AS DETERMINED BY THE DISTRICT.
- THE BACKFLOW ASSEMBLY SHALL BE AN APPROVED ASSEMBLY AS SHOWN ON THE WASHINGTON STATE APPROVAL LISTING. THE ASSEMBLY MUST BE PURCHASED AND INSTALLED AS A UNIT, NO MODIFICATIONS ARE ALLOWED TO ANY PART OF THE ASSEMBLY.
- THE BACKFLOW ASSEMBLY SHALL BE INSTALLED IMMEDIATELY BEHIND THE WATER METER, PRIOR TO ANY BRANCH CONNECTIONS, WITH NO MORE THAN 1'-2' BETWEEN BOXES. INSTALLATION OF THE BACKFLOW ASSEMBLY INTERNAL TO THE BUILDING WILL NOT BE ALLOWED. THE MINIMUM LEVEL OF PROTECTION AT METER SHALL BE EQUIVALENT TO OR EXCEED THE HIGHEST LEVEL OF PROTECTION REQUIRED INSIDE THE BUILDING.
- BACKFLOW ASSEMBLY SHALL BE CENTERED WITHIN THE ENCLOSURE AND PROVIDE MINIMUM HORIZONTAL AND VERTICAL CLEARANCE AS REQUIRED.
- BACKFLOW ASSEMBLY SHALL NOT BE INSTALLED BELOW GRADE IN ANY WAY INCLUDING IN A VAULT, TRENCH, OR DITCH. OWNER TO ENSURE THAT BACKFLOW ASSEMBLY IS PROTECTED FROM FREEZING.
- THE BACKFLOW ASSEMBLY TEST SHALL BE PERFORMED BY A CERTIFIED WASHINGTON STATE BACKFLOW ASSEMBLY TESTER. FOR A LIST OF CERTIFIED TESTERS, PLEASE VISIT [HTTPS://WCS.GREENRIVER.EDU/BAT/HIRE-A-BAT/](https://wcs.greenriver.edu/bat/hire-a-bat/) AND USE THE DROP DOWN LIST UNDER "VIEW THE HIRE A BAT LIST".  
  
FOR ALL NEWLY INSTALLED ASSEMBLIES, A DIGITAL COPY OF THE TEST REPORT SHALL BE SUBMITTED DIRECTLY TO NORTSHORE UTILITY DISTRICT AT BACKFLOW@NUD.NET.
- THE BACKFLOW ASSEMBLY IS TO BE TESTED AND A REPORT SUBMITTED TO THE DISTRICT:
  - AT INSTALLATION
  - ANNUALLY
  - AFTER ANY REPAIR
  - AFTER ANY FAILED REPORT
  - AFTER ANY RELOCATION OF THE BACKFLOW ASSEMBLY

## REDUCED PRESSURE BACKFLOW ASSEMBLY (RPBA) GENERAL INSTALLATION GUIDELINES

NOT TO SCALE

#### DETAIL APPROVALS

EDITOR TMC

ENG. DIR. CF

### NORTSHORE UTILITY DISTRICT

### 2025 STANDARD WATER DETAILS

**14b**

LAST UPDATED  
MAY 2025